

Form PTO-1449 (Rev. )	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 13735 US (38435/109700 CON)	SERIAL NO. 09/470,667
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>O I P E</i> (Use several sheets if necessary)		APPLICANT Akira ASAKURA, et al.	
		FILING DATE December 22, 1999	GROUP ART UNIT 1633



Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<i>dw</i>	A1	3,234,105	2/1966	Motizuki, et al.			
<i>dw</i>	A2	3,912,592	10/1975	Makover, et al.			
<i>dw</i>	A3	4,960,695	10/1990	Hoshino, et al.			
<i>dw</i>	A4	5,437,989	8/1995	Asakura, et al.			
<i>dw</i>	A5	5,352,599	10/1994	Fujisawa, et al.			
<i>dw</i>	A6	5,541,108	10/1975	Fujisawa, et al.			

#### FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>dw</i>	B1	JP 51-40154	11/1976	Japan				
<i>dw</i>	B2	EP 0 221 707	5/1987	Europe				
<i>dw</i>	B3	EP 0 278 447	8/1988	Europe				
<i>dw</i>	B4	EP 0 606 621	7/1994	Europe				
<i>dw</i>	B5	EP 0 366 922	5/1990	Europe				
<i>dw</i>	B6	EP 0 645 453	3/1995	Europe				
<i>dw</i>	B7	EP 0 448 969 A2	10/1991	Europe				

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

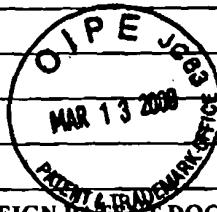
<i>dw</i>	C1	Zizheng, et al., "Studies on Production of Vitamin C Precursor 2-Keto-L-Gulonic Acid from L-Sorbose by Fermentation," <u>Acta Microbiologica Sinica</u> , 21(2), 185-191 (1981).
	C2	English language Abstract of JP 51-40154 (document B1).
<i>dw</i>	C3	Rudinger, "Characteristics of the amino acids as components of a peptide hormone sequence," In <u>Peptide Hormones</u> , Ed. J.A. Parsons, University Park Press, Baltimore, MD, pp. 1-7 (1976).
	C4	Ngo, et al., "Computational complexity, protein structure prediction, and the IL Levinthal paradox," In: <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , Eds. Merz, et al., Boston, MA, pp. 491-495 (1994).
<i>dw</i>	C5	Thornton, et al., "Protein Engineering: Editorial Overview," <u>Current Opinion in Biotechnology</u> , 6(4): 367-369 (1995).
<i>dw</i>	C6	Wallace, "Understanding cytochrome c function: engineering protein structure by semisynthesis," <u>The FASEB Journal</u> , 7: 505-515 (1993).

EXAMINER <i>dw</i>	DATE CONSIDERED 8/27/07
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**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

C7	Maniatis, et al., Chapter 12: "Vectors that express cloned DNA in <i>Escherichia coli</i> ," In <u>Molecular Cloning: A Laboratory Manual</u> , Cold Spring Harbour Laboratory Press, pp. 404-433 (1982).
C8	Matsudira, "Limited N-terminal sequence analysis," <u>Methods in Enzymology</u> , Vol. 182, pp. 602-613 (1991).
C9	Wozney, "Using purified protein to clone its gene," <u>Methods in Enzymology</u> , 182: 738-751 (1991).
C10	Stoorvogel, et al., "Characterization of the gene encoding quinohaemoprotein ethanol dehydrogenase of <u>Comamonas testosteroni</u> ," <u>Eur. J. Biochem.</u> , 235: 690-698 (1996).
C11	"Alcohol dehydrogenase complex structural gene-used in plasmid and enhancing efficiency of acetic acid fermentation for transformed acetic acid bacteria," GENESEQ DATABASE, Accession No. R20192 (1992).
C12	Tamaki, et al., "Cloning and sequencing of the gene cluster encoding two subunits of membrane-bound alcohol dehydrogenase from <u>Acetobacter polyoxogenes</u> ," <u>Biochim. Biophys. Acta</u> , 1088: 292-300 (1991).
C13	Kondo, K. and Horinouchi, S., "Characterization of the Genes Encoding the Three-Component Membrane-Bound Alcohol Dehydrogenase from <u>Gluconobacter suboxydans</u> and Their Expression in <u>Acetobacter pasteurianus</u> ," <u>Applied and Environmental Microbiology</u> , 63(3): 1131-1138 (1997).
C14	Reid, M.F. and Fewson, C., "Molecular Characterization of Microbial Alcohol Dehydrogenases," <u>Crit. Rev. Microbiol.</u> , 20(1): 13-56 (1994).

EXAMINER <i>J.W. Miller</i>	DATE CONSIDERED 8/27/01
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